STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL 97-010

INSTRUCTIONS

1. The preparing activity must complete blocks 1,2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

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I RECOMMEND A CHANGE:	**1. DOCUMENT NUMBER** MIL-STD-2301	**2. DOCUMENT DATE** *(YYMMDD)* 930618

3. DOCUMENT TITLE

COMPUTER GRAPHICS METAFILE (CGM) IMPLEMENTATION STANDARD FOR THE NITFS

4. NATURE OF CHANGE ***(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)***

Page 90, paragraph 5.2.2.1.8 and page 97, paragraph 5.2.2.2.7 do not clearly address the specific procedure for drawing CGM edge widths.

Refer to attached sheet for new paragraphs.

5. REASON FOR RECOMMENDATION

To reduce ambiguity concerning how CGM implementations support the input and output of edge widths.

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*	b. ORGANIZATION	
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8. PREPARING ACTIVITY

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c. ADDRESS *(Include Zip Code)*	**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:** Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340

JITC/JTDB **14 NOVEMBER 1996**

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL
FOR MIL-STD-2301, CGM

RE: Proposed changes to MIL-STD-2301 address how CGM implementations should support edge widths.

Insert the following new paragraphs:

Paragraph 5.2.2.1.8.1, Supporting Edge widths for input. The CGM implementation for the NITFS support of closed CGM elements (polygons, rectangles, circles, ellipses, circular arc closed, and elliptical arc closed), the CGM implementation will create edge widths such that the first edge representation of pixels is on the perimeter of the element. All even pixel edge widths (second, fourth, etc.) will fall cumulatively to the inside of the originally established perimeter; all odd pixel edge widths (third, fifth, etc.) will fall cumulatively to the outside of the originally established perimeter. If the element is filled, the edges will be displayed above the associated fill.

Paragraph 5.2.2.2.7.1, Supporting Edge Widths for output. The CGM implementation for the NITFS support of closed CGM elements (polygons, rectangles, circles, ellipses, circular arc closed, and elliptical arc closed), the CGM implementation will display edge widths such that the first pixel edge representation lays on the perimeter of the element. All even pixel edges (second, fourth, etc.) fall cumulatively to the inside of the originally established perimeter; all odd pixel edge widths (third, fifth, etc.) fall cumulatively to the outside of the originally established perimeter. If the element is filled, the edges will be displayed above the associated fill.